

Dong Su

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

529
citations

567281

15
h-index

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22
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all docs

30
docs citations

30
times ranked

342
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-dimensional solutions for the stabilising piles in landslides in layered cohesive soils considering non-linear soil-pile interactions. <i>Geotechnique</i> , 2022, 72, 737-751.	4.0	3
2	A novel approach of random packing generation of complex-shaped 3D particles with controllable sizes and shapes. <i>Acta Geotechnica</i> , 2022, 17, 355-376.	5.7	26
3	Performance investigation of 3D printed clay soil using fiber Bragg grating technology. <i>Acta Geotechnica</i> , 2022, 17, 453-462.	5.7	12
4	Drained solution for cylindrical cavity expansion in modified Cam clay soil under constant vertical stress. <i>Canadian Geotechnical Journal</i> , 2021, 58, 176-189.	2.8	11
5	A spherical-harmonic-based approach to discrete element modeling of 3D irregular particles. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 5626-5655.	2.8	45
6	Three-dimensional granular column collapse: Impact of column thickness. <i>Powder Technology</i> , 2021, 389, 328-338.	4.2	17
7	A Mask R-CNN based particle identification for quantitative shape evaluation of granular materials. <i>Powder Technology</i> , 2021, 392, 296-305.	4.2	20
8	基于球形谐波重建的三维颗粒形状定量评价方法. <i>中国科学: 技术科学</i> , 2021, 51, 1009-1024.	4.2	14
9	An in-depth comparative study of three-dimensional angularity indices of general-shape particles based on spherical harmonic reconstruction. <i>Powder Technology</i> , 2020, 364, 1009-1024.	4.2	14
10	Prediction of 3D size and shape descriptors of irregular granular particles from projected 2D images. <i>Acta Geotechnica</i> , 2020, 15, 1533-1555.	5.7	37
11	A Systematic Experimental Study on the Group Effect of Dragloads in Pile Foundations. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 2038-2048.	1.9	1
12	Development of a FBG Based Hoop-Strain Sensor Using 3D Printing Method. <i>IEEE Access</i> , 2019, 7, 107154-107160.	4.2	16
13	Superellipsoid-based study on reproducing 3D particle geometry from 2D projections. <i>Computers and Geotechnics</i> , 2019, 114, 103131.	4.7	15
14	Relationship between p-multiplier and force ratio at pile head considering non-linear soil-pile interaction. <i>Geotechnique</i> , 2019, 69, 1019-1025.	4.0	3
15	A Prediction Model for the Potential Plastic Zone Induced by Tunnel Excavation Adjacent to a Pile Foundation in a Gravity Field. <i>Symmetry</i> , 2019, 11, 1306.	2.2	0
16	Development of an FBG Sensor for Measuring Large Range and Multi-Directional Settlement. <i>IEEE Access</i> , 2019, 7, 107669-107677.	4.2	5
17	Roughness analysis of general-shape particles, from 2D closed outlines to 3D closed surfaces. <i>Powder Technology</i> , 2019, 356, 423-438.	4.2	19
18	Drained analyses of cylindrical cavity expansion in sand incorporating a bounding-surface model with state-dependent dilatancy. <i>Applied Mathematical Modelling</i> , 2019, 68, 1-20.	4.2	19

#	ARTICLE	IF	CITATIONS
19	Inferring 3D particle size and shape characteristics from projected 2D images: Lessons learned from ellipsoids. <i>Computers and Geotechnics</i> , 2018, 104, 281-287.	4.7	15
20	Quantification of angularity of general-shape particles by using Fourier series and a gradient-based approach. <i>Construction and Building Materials</i> , 2018, 161, 547-554.	7.2	45
21	3D characterization of general-shape sand particles using microfocus X-ray computed tomography and spherical harmonic functions, and particle regeneration using multivariate random vector. <i>Powder Technology</i> , 2018, 323, 8-23.	4.2	85
22	Parametric investigation on the responses of laterally loaded piles in overconsolidated clay using nondimensional solutions addressing nonlinear soil-pile interaction. <i>Computers and Geotechnics</i> , 2018, 96, 203-214.	4.7	7
23	Evaluation of three-dimensional particle shape index from projected two-dimensional image. <i>Geotechnique Letters</i> , 2018, 8, 336-343.	1.2	7
24	Nondimensional Solutions for Laterally Loaded Piles in Sand Considering Nonlinear Soil-Pile Interactions. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	6
25	Effect of Loading Direction on the Response of Laterally Loaded Pile Groups in Sand. <i>International Journal of Geomechanics</i> , 2016, 16, .	2.7	23
26	Fully Coupled Consolidation Analysis of Shear Strength Mobilization and Dragload of a Pile Subject to Negative Skin Friction. <i>International Journal of Geomechanics</i> , 2015, 15, .	2.7	12
27	Cyclic Degradation of a Multidirectionally Laterally Loaded Rigid Single Pile Model in Compacted Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014, 140, .	3.0	7
28	Three-dimensional finite element study of a single pile response to multidirectional lateral loadings incorporating the simplified state-dependent dilatancy model. <i>Computers and Geotechnics</i> , 2013, 50, 129-142.	4.7	32
29	A multidirectional p-y model for lateral sand-pile interactions. <i>Soils and Foundations</i> , 2013, 53, 199-214.	3.1	18
30	Effect of Shaking Intensity on Seismic Response of Single-Pile Foundation in Liquefiable Soil. , 2006, , 379.		8